



# CONTROLLED BRUSHLESS POWER FOR STOCK RACING

Controllability was never that easy before! The new VECTOR X11 Stock Spec is tailor-made for all kinds of controlled stock racing. Due to the laser engraving and the colour-coded aluminium ring in the teardown the numbers of turns can easily be identified.

In addition the VECTOR X11 Stock Spec includes a black coloured magnet and motor shaft which make this motor as easy controllable as never before!

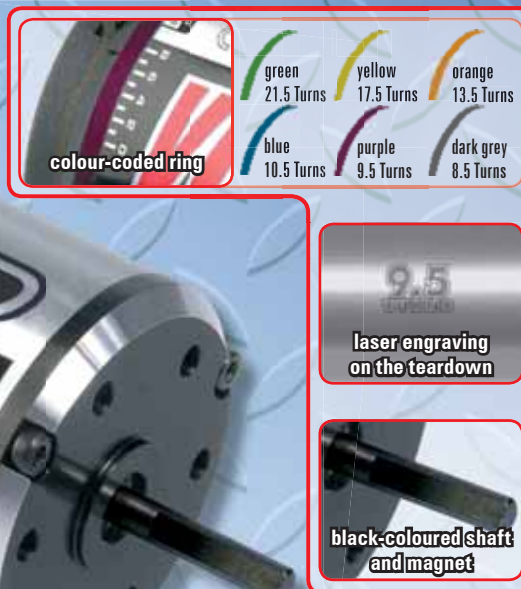
## PERFORMANCE FEATURES

- New military spec sintered neodymium magnet
- Can be operated with sensor and sensorless speed controls
- New stack for more torque
- New low resistance design
- Handwound
- New oversized low friction ball bearings
- X11 teardown, dismountable, timeable
- Low resistance multilayer PCB
- New solder tabs, easy and safe installation
- Sensored technology
- Standard 540 size/weight

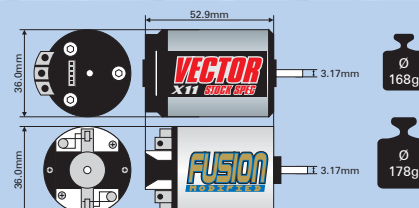
Complying with rules of the following federations:



## EASY-TO-CONTROL FEATURES



- LRP VECTOR X11 Stock Spec motors have the same dimensions as normal 540-type motors.
- Diameter: 36.0mm; length: 52.9mm.  
This means that a LRP VECTOR X11 Stock Spec motor fits into any 540-type motor mount.
- The LRP VECTOR X11 Stock Spec motor weights 168g.  
This is approx. 10g less than an equivalent Brushed motor.
- Hardened 3.17mm motor shaft to match all existing pinions.



VECTOR X11 STOCK SPEC	21.5 TURNS	17.5 TURNS	13.5 TURNS	10.5 TURNS	9.5 TURNS	8.5 TURNS
Order No.	50860	50850	50840	50830	50820	50810
Colour aluminium ring	green	yellow	orange	blue	purple	dark grey
RPM <sup>2</sup>	12.960	16.560	23.040	27.360	30.240	33.840
Specific rpm per volt, kv	1.800	2.300	3.200	3.800	4.200	4.700
Power <sup>2</sup>	124W	153W	201W	255W	278W	303W
Efficiency <sup>2</sup>	93%	93%	93%	92%	92%	92%
Magnet material	Sintered, 12.3mm Spec Racing Rotor, # 50613					
Min. speed control requirements	LRP A.I. Brushless (# 80100)		LRP A.I. Brushless Pro (# 80150)		LRP SPX Super Reverse (# 80400) LRP SPHERE (# 80500)	

<sup>2</sup>measured at 7.2V

## KEY POINTS:

### SINTERED ROTORS

Rotors for brushless motors with extremely high performance at low speeds compared with bonded rotors.

### BRUSHLESS MODE OF OPERATION

A brushless motor is a brushed motor "inside out". Commutation of the motor is controlled electronically by the speed control. Therefore, there are no rubbing parts such as brushes and commutator = zero wear.

### GEAR RATIO

These motors need a much lower gear ratio than conventional brushed motors due to the unique VECTOR brushless designs. Precise gear ratio recommendations are supplied with the product.